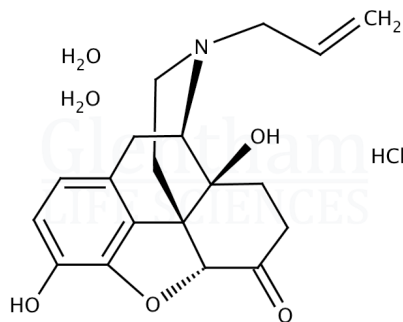


Certificate of Analysis

Product Name Naloxone hydrochloride dihydrate
Glentham Code GP1662
CAS Number 51481-60-8
EINECS 206-611-0
MDL Number MFCD00150901
PubChem SID 310277435
Additional CAS 357-08-4 (anhydrous)
Batch Number 016NGQ

Molecular Weight 399.87
Molecular Formula $C_{19}H_{21}NO_4 \cdot HCl \cdot 2H_2O$
Storage Temp. +4°C



Property	Specification	Batch 016NGQ
Physical Description	White to off-white powder	White powder
Solubility (5% in water)	Clear, colourless to pale yellow solution	Clear, colourless solution
Water	≤ 11.0%	9.53%
Assay	98.0 - 102.0 % (dried basis)	98.8%

Specification Version v1.0
Manufacture Date 2019-08-22
Re-Test Date 2028-12-13

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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